

Title (en)

Mobile communication system with autonomous distributed type dynamic channel allocation scheme

Title (de)

Mobil-Kommunikationssystem mit selbständig verteilter dynamischer Kanaluweisung

Title (fr)

Système de communication mobile avec schéma autonome et distribué d'allocation dynamique de canaux

Publication

**EP 1128698 A3 20020123 (EN)**

Application

**EP 01111974 A 19950203**

Priority

- EP 95101496 A 19950203
- JP 1263694 A 19940204
- JP 10695794 A 19940520
- JP 13418894 A 19940616
- JP 13761194 A 19940620

Abstract (en)

[origin: EP0666699A1] A mobile communication system using an autonomous distributed type dynamic channel allocation scheme, in which each base station (11) manages allocation priority levels for the available radio channels according to past records of channel use for each radio channel, and updates the allocation priority level of each radio channel by weighting past allocation accept/reject judgement results for each radio channel with weight factors which vary according to time intervals of the past allocation accept/reject judgement results from a current time. The mobile stations (12) can be grouped into N groups according to states of the mobile stations and N sets of allocation priority levels for each radio channel in correspondence to these N groups can be managed at each base station. The thresholds for grouping the mobile stations can be determined according to past records of states of the mobile stations. <IMAGE>

IPC 1-7

**H04Q 7/38**; **H04Q 7/22**

IPC 8 full level

**H04W 16/04** (2009.01); **H04W 72/06** (2009.01)

CPC (source: EP US)

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[X] GB 2266433 A 19931027 - ERICSSON TELEFON AB L M [SE]

Cited by

US7486638B2; CN100423480C; CN100338893C; EP1335621A1; SG117431A1; AU2003200325B2; WO2004043097A1; WO03101135A1; WO03028352A1

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